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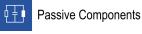
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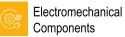
Our Product Portfolio















Displays & Monitors

















Committed to excellence

Consult – Know-how, Built-in.

The Technical Competence from RUTRONIK

Worldwide and individual consulting on the spot by competent sales staff, application engineers & product specialists.

Components – Variety, Built-in.

The Product Portfolio from RUTRONIK Wide product range of semiconductors, passive and

electromechanical components, displays & monitors, boards & systems, storage and wireless technologies for optimum coverage of your needs.

Logistics – Reliability. Built-in.

The Delivery Service from RUTRONIK

Innovative and flexible solutions: from supply chain management to individual logistics systems.

Quality – Security. Built-in.

Quality without Compromise from RUTRONIK

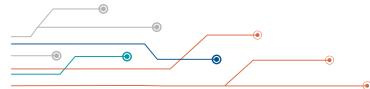
The integrated management system (IMS) encompasses quality control, information security, environmental protection, occupational health and safety.





YAGEO Group - Built into Tomorrow





YAGEO

- Chip Resistors
- MLCCs Leaded Resistors
- Circuit Protection

YAGEO§

- Tantalum
- MLCCs
- Film/E-Caps
- Sensors & Actuators
- Magnetics

YAGEO

- EMC/EMI Components
- Power Magnetics
- Transformators
- Antennas & LTCC Filters

Telemecanique Sensors

- Limit Switches
- Inductive & Capacitive Sensors
- Photoelectric Sensors
- Ultrasonic Sensors Pressure Sensors
- RFID Systems
- Cloud Connected Sensors
- Sensors for hazardous location dust
- IO-Link Master
- Cordsets and connectors



More about



- Platin RDD Sensors
- PCB
- SMD (solderable/sinterable)
- Sensor Elements with Wires
- Ceramic & SOT housed



- Shunt
- MELF
- Leaded Resistors
- Low Power Wirewound
- High Power Wirewound



- MOS Transistors
- Ultra- Low Ron
- Fast-Reverse Recovery
- Voltage up to 900 V
- Ultra- Low FOM

Committed to excellence www.rutronik.com





Chip Resistors



Thin Film Precision Resistor - RP/AT/RT/VT/NT



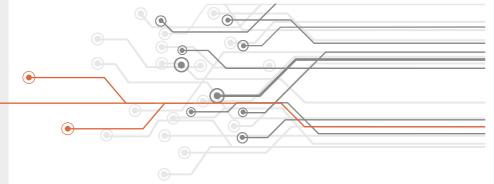
Metal Current Sensor - PA/PE/PU/PS



Thick Film High Reliability - AC/AF/SR/RV/AH / - RC Small Size (01005/0075/0050)

YAGEO STATES

- World's 1st with 30%+ of global capacity
- 1st to launch metal current sensor 01005
- Obtains UL 2799A, the Highest Platinum Rating for Zero Waste to Landfill
- Sulfur Resistant & High Stability
- Sustainability Product, Lead Free Option
- AEC-Q200 qualified (for Automotive Grade)











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Circuit Protection Components







Gas Discharge Tubes



SPG



MOV / TMOV

Chip Fuse





TVS Diodes













YAGEO SYAGEO

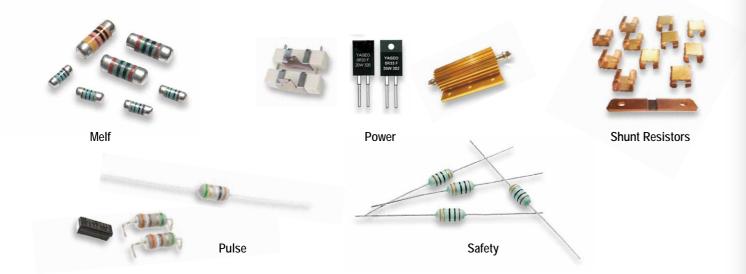
- Our wide product portfolio fulfills most customer needs, making us a top choice for your primary sourcing
- Market leading at overcurrent and overvoltage protection feature
- Fully vertically integrated semiconductor manufacturing process

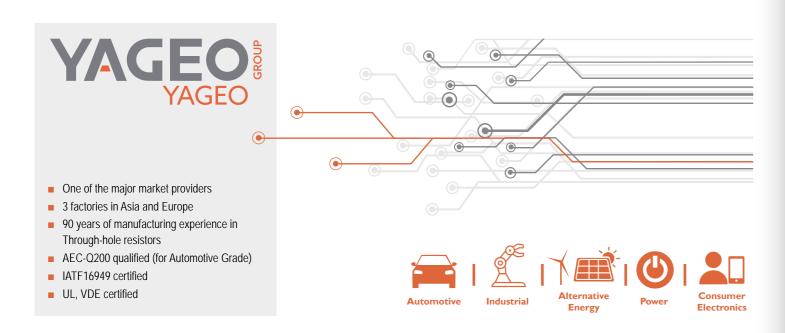


Rutronik - YAGEO Group

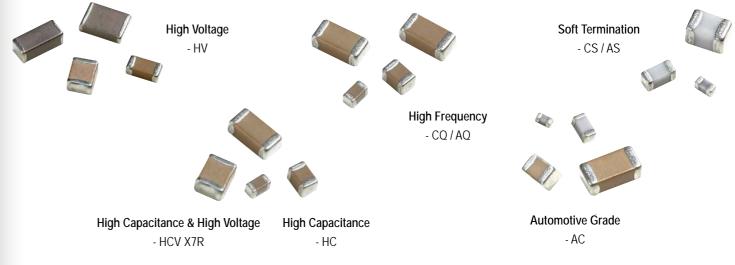


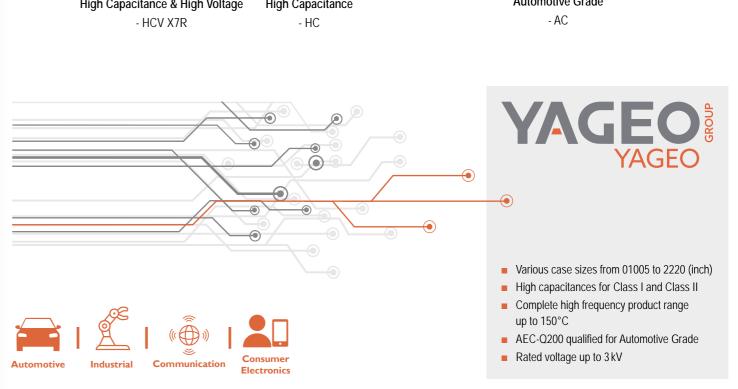
Through Hole Resistors





MLCC Multilayer Ceramic Capacitors







Rutronik – YAGEO Group



Ceramic Capacitors



KC-LINK™
For Fast Switching Semiconductors



KONNEKT™ High-efficiency and High-Density Power Applications





Flex Mitigation

Flex Term, VW80808, Open Mode, Floating Electrode, KPS

The state of the s

Safety Certified and AC Rated SMD and Leaded





- Class I dielectrics COG(NP0) and U2J
- High Voltage MLCC's rated ≥ 500 volts
- Commitment to large case size MLCC's from 0805 3640 (EIA)







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Polymer / Tantalum / SuperCapacitors





Tantalum Capacitor MnO2

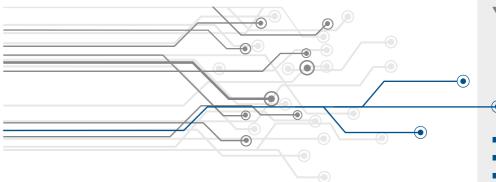


Polymer Tantalum Automotive Grade





Polymer Capacitor
Commercial Grade



















- Wide portfolio
- Leading Edge Technology
- Auto Grade 1st to market
- Customizing solution
- Fully covered market segments (Consumer to Space)
- Localized service and support
- Enaged with top players in each segment

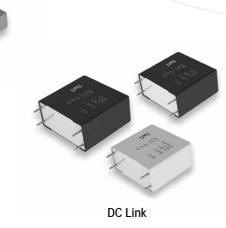
















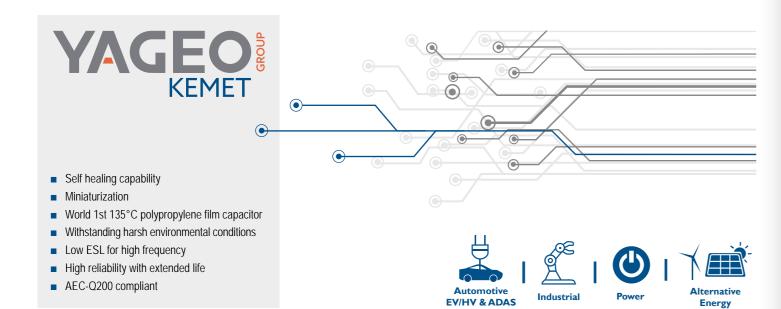


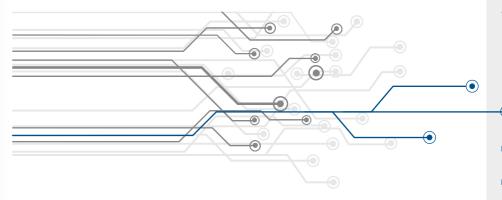


Axial SMD **Electrolytic Capacitor**

Rectangular Electrolytic Capacitor

Hybrid & Solid Capacitor **Snap-in Capacitor**

















- Hybrid design, extremely high ripple current and low thermal resistance performance
- The first axial & radial crown SMD on the
- Friendly to base cooling design, flexible ways of installation
- Anti-vibration design, 20 G
- Shortest LT with competitive price







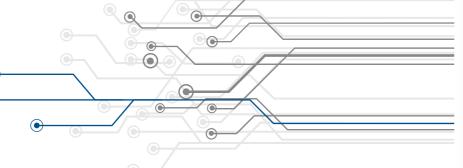
Vibration Sensor

Human Sensor

 High sensitivity, fluxgate-based current sensors

Current Sensor

- High performance multilayer piezoelectric actuators
- Ultra compact and low profile pyroelectric infrared sensors (5.0 x 4.8 x 1.7 mm)
- High sensitivity, built-in amplifier vibration sensors















SMD Power Inductor



EMI Filter



Choke Coil













Consume

YAGEO & KEMET

- Original unique magnetic materials
- First class automotive grade safety, reliability
- Ultra-high frequency effect absorber (up to SHF band)
- High rated voltage choke coil (up to 1,000 V AC/DC)
- 50 G vibration resistance power inductors
- Ultra compact and high-performance EMI filters







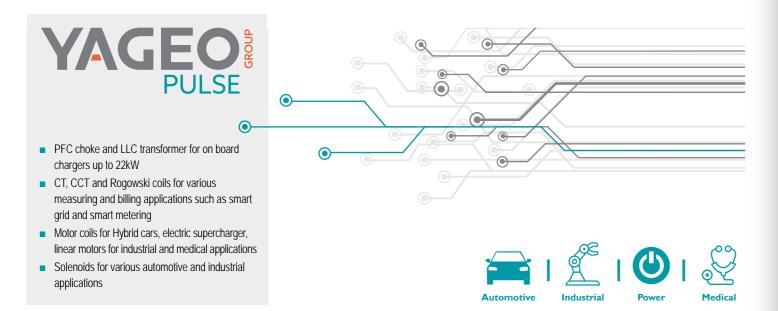
Specialized Power

CCT -

Combined Current Transformer



Motor Coil





YAGEO PULSE

Specialized and custom power magnetics

High power density and variable mechanical

Power bead inductors with high performance

for Vcore power application

IATF catalogue products



LLC Transformer

3-phase

Flexible Rogowski

Coil



Wired Communications

Discrete Communications Magnetics LAN





Automotive Communication Magnetics (BMS & IVN)



Integrated Connector Modules (ICMs)



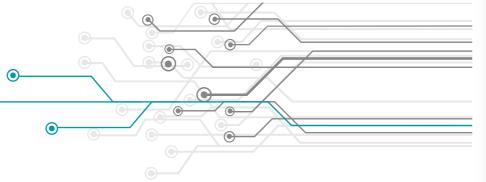
Connectors & Cages



Discrete Communications Magnetics WAN



- Research, design and manufacture magnetic products and connectors used in through-wire communication systems to filter, transmit and isolate communication signals
- World's #1 in LAN Discrete Magnetic products
- Technology and market leader in Integrated Connector Module Magnetic products (ICMs)
- Technology and Market leader in automotive magnetic products













3D Antennas LDS/LAP/FluidANT



LTCC based BPF, LPF, Balun, Diplexer, Triplexer, Balanced BPF, and Coupler



Outdoor **Antennas**



Vehicular **Antennas**



External/In-Building Antennas

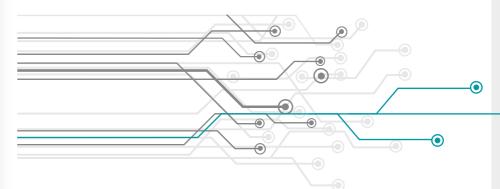
Wireless Components



Internal Antennas FPC/PCB/NFC/WPC/LCP Antennas



Cable & Mounting Solutions













- Wide range of antenna options including flexible printed circuit board (FPC), PCB, direct mount, magnetic mount
- Frequency Bands from 13.56 MHz to 8500 MHz
- WiFi, Bluetooth, BLE, UWB, Zigbee, MiMo, GNSS, NTN, LTE, 5G FR1
- IoT, SmartGrid, meters, remote monitoring, sensor networks
- Customized solutions







Standard Power





RF Signal Inductor



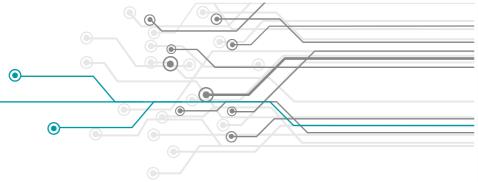
Molded Power Inductor



Wirewound Power Inductor



- No physical air gap and zero core gap loss
- High & soft saturation current, high power density
- High insulation resistance, high breakdown voltage
- Higher operating temp. and no thermal aging
- Cut off frequency up to 6 GHz (EMI filter)
- High impedance @ low frequency high frequency (EMI filter)









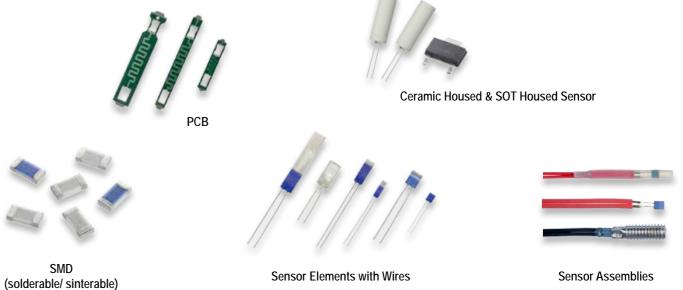




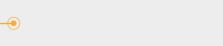


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Pt RTD Sensors







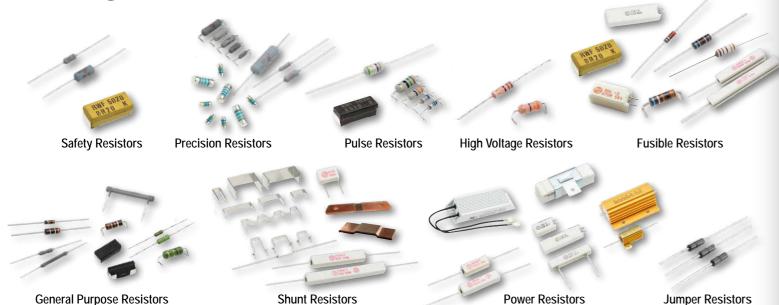
- Pt temperature sensor pioneer since 1906, decades of experience and expert knowledge
- Global leader for platinum thin film technology
- High long term stability
- Interchangeability
- Broad temperature operating range
- Fast response time
- Automotive qualified products available
- Sensors engineered to custom applications

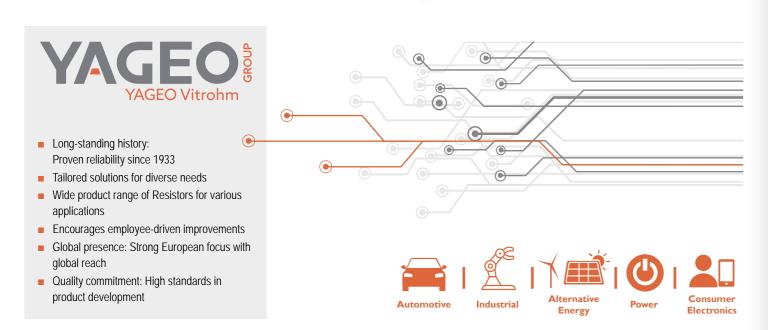




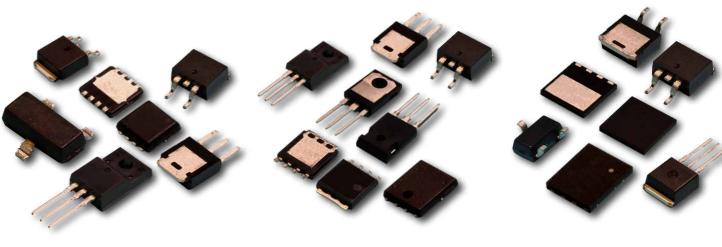


Through Hole Resistors & SMD Resistors





Power MOSFETs



Lov Voltage MOSFETs Medium Voltage MOSFETs (12-45 V) (60-250 V)

High Voltage MOSFETs (400-900 V)















YAGEO

- Single and Dual N- and P-Channel silicon Power MOSFETs from 12 V to 900 V
- Low on-resistance, exceptional drain current handling and high switching speeds for efficient power conversion
- Best solutions for heat dissipation: PMPAK 3x3, PMPAK 5x6, TOLL
- Easy-to-design and cost-saving solutions: TO-252, TO-262, TO-220, TO-220CFM, SO-8
- Compact designs: SOT-723, SOT-23, SOT-89, WLCSP, DFN







SUPPLY CHAIN MANAGEMENT From Procurement to Delivery



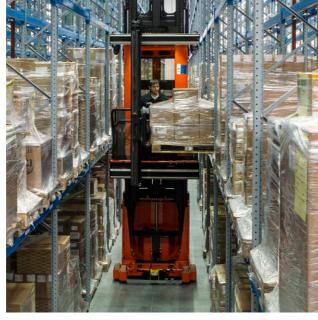
Fierce competition, increasing cost pressures, shorter product lifecycles, and widely varying delivery times require new solutions. Logistics solutions that help you produce faster, more cost-effectively, and above all, uninterrupted.

The warehouse and logistics center includes approximately 8,600 m² of storage and order picking space. There are also three platforms with approximately 6,000 m² of storage space. This provides space for up to 11,000 pallet locations, approximately 185,000 normal rack locations, and an order buffer of approximately 3,000 locations. The latest building and energy technology has been incorporated to ensure maximum energy efficiency, while a photovoltaic solar panel system has been installed on the roof. This generates peak values of up to 1 megawatt. Approximately 60% of the total energy is used for consumption



Permanetly available

More than 28 Billion Parts



The benefits at a glance

Worldwide shipping and support in accordance with Quality guaranteed regardless of national standards German standards of quality Business model can be scaled worldwide Adapted to local conditions Identical level of service and support for all customers Coordinated communication at all levels across the globe In-house, high-performance data center Data security via in-house data storage (in-house data center) Single data source worldwide Same level of information for all employees worldwide



Global logistics solutions and eProcurement traceability

Thinking Globally | Acting Locally



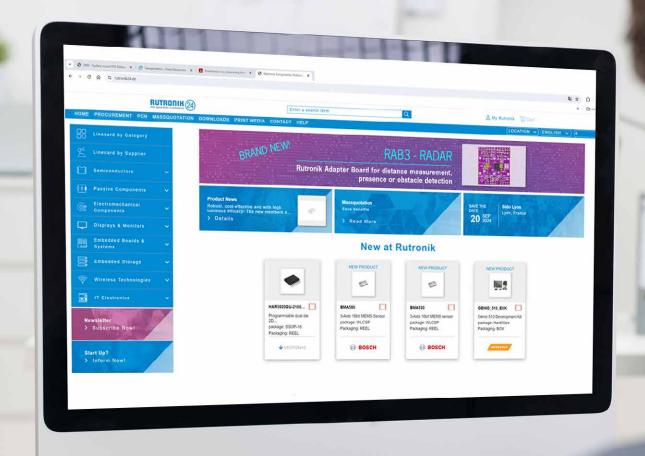
Outstanding flexibility and traceability around the world

Daily Performance



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E-COMMERCE MADE EASY

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info@rutronik.com | www.rutronik.com

Digital Media



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